

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method for removing asynchronous transfer mode (ATM) cells ~~from a frame in~~ from a waiting list, the method comprising:
~~storing a frame start identifier that identifies a ATM cell in the waiting list that precedes a~~
~~first ATM cell of the frame; and~~
storing a last cell identifier that identifies a last ATM cell in the waiting list, the last cell
identifier corresponding to a back of the waiting list;
storing an end-of-frame identifier that corresponds to an end of a target frame in the
waiting list, the target frame comprising ATM cells, the end-of-frame identifier being stored in
association with a non-frame ATM cell that follows the target frame in the waiting list; and
~~calling the frame start identifier before removal of the ATM cell of the frame;~~
wherein the frame begins farthest toward removing all ATM cells of an other frame
located at a back of the waiting list up to the end-of-frame identifier, the back of the waiting list
being identified using the last cell identifier.

2. (Currently Amended) A ~~The method according to~~ of claim 1, further comprising:
~~removing wherein the~~ ATM cells are removed from the other ~~from the~~ frame beginning farthest
toward [[a]] the back of the waiting list and proceeding to the end-of-frame identifier.

3. (Currently Amended) A ~~The method according to~~ of claim 1, ~~further comprising:~~
~~removing following wherein the~~ ATM cells of the frame ~~up to and including a last ATM cell of~~
~~the frame are removed~~ upon arrival or following arrival at the waiting list.

4. (Currently Amended) A ~~The method according to~~ of claim 1, wherein ~~the~~ a first ATM
cell of the other frame is immediately preceded by a last an ATM cell ~~of a different frame that is~~
identified by the end-of-frame identifier; and ~~, and further comprising:~~
~~referencing the last ATM cell by the frame start identifier.~~

5. (Currently Amended) A ~~The method according to~~ of claim 4 ~~[[1]]~~, wherein the ATM
cell that is identified by the end-of-frame identifier comprises an operation, administration,
maintenance (OAM) cell or a resource management (RL) cell ~~the first ATM cell of the frame is~~
~~immediately preceded by an individual ATM cell not allocated to a frame, and further~~
~~comprising:~~

~~referencing the individual ATM cell by the frame start identifier.~~

6. (Currently Amended) A method for removing ATM cells ~~from a frame in~~ from a
waiting list, the method comprising:

~~storing a predetermined inhibit value so that the~~ labeling a non-frame ATM cell ~~cells of~~
~~the frame cannot be removed from~~ in the waiting list as an end-of-frame ATM cell in order to

prevent the non-frame ATM cell from being removed from when the first ATM cell of the frame
is followed in the waiting list by an individual ATM cell not allocated to any frame; and
removing all ATM cells of an other frame located at a back of the waiting list up to the
end-of-frame ATM cell, the back of the waiting list being identified via a predefined pointer
wherein the frame begins farthest toward a back of the waiting list.

7. (Currently Amended) A The method according to of claim 6, wherein the
predetermined inhibit value is stored non-frame ATM cell is labeled at least on of upon arrival of
the individual non-frame ATM cell at the waiting list and or when the individual non-frame
ATM cell is added to the waiting list.

8. (Currently Amended) A The method according to of claim 1, further comprising:
performing a check at, or following, attaching of an arrived ATM cell to an end of the
waiting list to see determine whether the arrived ATM cell is a last cell of frame; and
as warranted, storing a value that references identifies the arriving arrived ATM cell
accordingly as the frame start identifier;
wherein the ATM cells of the appertaining frame cannot be removed from the waiting
list.